Maine P-Index, Version 1, 2012

(last revised 11/07/2012)

This P Index is to be used on all fields where Phosphorus application will exceed soils test recommendations.

FARM IDENTIFICATION					**Field ID ->**		
					Enter Modified Morgan Soil Test P in pounds/acre ----------->	0	0

PART A: SOURCE FACTORS

					Modified Morgan Soil Test P Factor (ppm P X 1.25)	0	0
FERTILIZER P RATE	Planned Application **Fertilizer** P (lb P_2O_5/acre)					0	0
FERTILIZER APPLICATION METHOD	0.2 Placed or injected 2" or more deep	0.4 Incorporated <1 week following application	0.6 Incorporated > 1 week or not incorporated following application in April - October	0.8 Incorporated >1 week or not incorporated following application in Nov. - March	1.0 Surface applied to frozen or snow covered soil	1	1
					Fertilizer Rating = Fertilizer Rate x Fertilizer Application Method	0	0
MANURE P RATE	Planned Application **Manure** P (lb P_2O_5/acre)					0	0
MANURE APPLICATION METHOD	0.2 Placed or injected 2" or more deep	0.4 Incorporated <1 week following application	0.6 Incorporated > 1 week or not incorporated following application in April - October	0.8 Incorporated >1 week or not incorporated following application in Nov. - March	1.0 Surface applied to frozen or snow covered soil	1	1
P SOURCE COEFFICIENT	Input Measured PSC or use 0.8 for Manures or 0.4 for Biosolids.					0.8	0.8
					Manure Rating = Manure Rate x Manure Application Method x P Source Coefficient	0	0
					Source Factor Sum >	0	0

PART B: TRANSPORT FACTORS

					Field ID ->		
EROSION (RUSLE2)	Soil Loss (ton/acre/yr)					0	0
RUNOFF POTENTIAL	0 *Drainage Class is* Excessively	2 *Drainage Class is* Somewhat Excessively	4 *Drainage Class is* Well/Moderately Well	6 *Drainage Class is* Somewhat Poorly	8 *Drainage Class is* Poorly/Very Poorly	8	8
SUBSURFACE DRAINAGE	0 None or No direct outlet to receiving water		1 Random Drainage - Outlets directly to receiving water		2 * Patterned drainage - Outlets directly to receiving water	0	0
DISTANCE to CONCENTRATED FLOW (streams, ditches, diversions)	0 > 500 ft.	2 350 to 500 ft.	4 200 to 349 ft.	6 100 to 199 ft. OR < 100 ft. with 35 ft. buffer	9 < 100 ft.	9	9
					Transport Sum = Erosion + Runoff Potential + Subsurface Drainage + Flow Distance	17	17
CONSERVATION PRACTICES CREDIT OR PENALTY	0.85 for DIST < 100 ft. with minimum 35 ft. veg. buffer		1.0 Default		1.1 for DIST > 100 ft. but with direct connection to water (pipe or ditch)	1.0	1.0
* OR rapidly permeable soil near a stream					**Transport Sum x Conservation Credit / 24 >**	0.71	0.71
					P Index Value = 2 x Source x Transport >	**0**	**0**

MANAGEMENT GUIDANCE

P Index Rating: Values	Nutrient Application Guidance
Low: 50 or less	Nitrogen based management
Moderate: 51 to 75	P limited to soil test recommendation or crop removal
High: 76 to 99	Crop removal P with drawdown plan and mitigation
Very High: 100 +	No Phosphorus applied